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SUBSTITUTE PTO/SB/05
Approved for use through 10/31/2002.

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

Attorney Docket No.

AFD 444

First Inventor or Application Identifier

David M. Lin

Title

SIGNAL FOLDING COHERENT ACQUISITION FOR WEAK
GLOBAL POSITIONING SYSTEM (GPS) C/A CODED SIGNAL

Express Mail Label No.

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO:Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ *Fee Transmittal Form (e.g., PTO/SB/17)
2. ☐ Applicant claims small entity status
(See 37 CFR 1.27)
3. ☒ Specification [Total Pages]
(Preferred arrangement set forth below)
- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R&D
- Reference to sequence listing, a table, or a
computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Detailed Description
- Claim(s)
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets]
5. ☐ Oath or Declaration [Total Pages]
- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b)
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ Paper
- c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 1.373(b) Statement ☒ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS) PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (should be itemized)
15. ☐ Certified Copy of Priority Document(s)
16. ☒ Request and Certification under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach for PTO/SB/35 or its
equivalent.
17. ☐ Other: _____

18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76

☐ Continuation ☐ Divisional ☐ Continuation in Part (CIP) of prior application No: _____

Prior application information: Examiner _____ Group / Art Unit _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5B, is considered to be a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

CORRESPONDENCE ADDRESS☒ Customer Number or Bar Code Label

(Insert Customer Number or Bar code label here)

or ☐ Correspondence address below

| | | | |
|---------|-------------------------|----------|--|
| Name | 26902 | | |
| Address | PATENT TRADEMARK OFFICE | | |
| City | State | Zip Code | |
| Country | Telephone | Fax | |

| | | | |
|---------------------|--------------------------|-------------------------------------|----------------|
| Name (Print / Type) | GINA S. TOLLEFSON | Registration No. (Attorney / Agent) | 39,049 |
| Signature | <i>Gina S. Tollefson</i> | Date | August 2, 2001 |

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

Complete if Known

Application Number

Filing Date

First Named Inventor

David M. Lin

Examiner Name

Group Art Unit

Attorney Docket Number

AFD 444

TOTAL AMOUNT OF PAYMENT

(\$ 710.00

METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account
Number

AF 01-0465

Deposit Account
Name

Department of the Air Force

☒ Charge Any Additional Fee Required
under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity
status. See 37 CFR 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Credit Card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

| Lge Entity Fee Code | Lge Entity Fee (\$) | Sm. Entity Fee Code | Sm. Entity Fee (\$) | Fee Description | Fee Paid |
|------------------------|------------------------|------------------------|------------------------|------------------------|----------|
| 101 | 710 | 201 | 355 | Utility Filing Fee | 710 |
| 106 | 320 | 206 | 160 | Design Filing Fee | |
| 107 | 490 | 207 | 245 | Plant Filing Fee | |
| 108 | 710 | 208 | 355 | Reissue Filing Fee | |
| 114 | 150 | 214 | 75 | Provisional Filing Fee | |

SUBTOTAL (1) (\$ 710.00

2. EXTRA CLAIM FEES

| | Extra | Fee from below | Fee Paid |
|---------------------------|--------------|-------------------|----------|
| Total Claims | 7 - 20** = 0 | 18 | 0 |
| Independent claims | 1 - 3 = 0 | 80 | 0 |
| Multiple dependent claims | | | |

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee code | Small Entity Fee (\$) | Fee Description |
|--------------------------|--------------------------|--------------------------|--------------------------|---|
| 103 | 18 | 203 | 9 | Claims in excess of 20 |
| 102 | 80 | 202 | 40 | Independent claims in excess of 3 |
| 104 | 270 | 204 | 135 | Multiple dependent claim |
| 109 | 80 | 209 | 40 | **Reissue independent claims over original patent |
| 110 | 18 | 210 | 9 | **Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) \$ 0

** or number previously paid, if greater; For Reissues, see below

3. ADDITIONAL FEES

| Large Entity Code | Large Entity Fee (\$) | Small Entity Code | Small Entity Fee (\$) | Fee Description | Fee Paid |
|-------------------------|-----------------------------|-------------------------|-----------------------------|---|----------|
| 105 | 130 | 205 | 65 | Surcharge - late filing fee or oath | |
| 127 | 50 | 227 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 139 | 130 | 139 | 130 | Non-English specification | |
| 147 | 2,520 | 147 | 2,520 | For filing a request for ex parte reexamination | |
| 112 | 920* | 112 | 920* | Requesting publication of SIR prior to Examiner Action | |
| 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner action | |
| 115 | 110 | 215 | 55 | Extension for reply within first month | |
| 116 | 390 | 216 | 195 | Extension for reply within second month | |
| 117 | 890 | 217 | 445 | Extension for reply within third month | |
| 118 | 1,390 | 218 | 695 | Extension for reply within fourth month | |
| 119 | 310 | 219 | 155 | Notice of Appeal | |
| 120 | 310 | 220 | 155 | Filing a brief in support of an appeal | |
| 121 | 270 | 221 | 135 | Request for oral hearing | |
| 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | |
| 140 | 110 | 240 | 55 | Petition to revive - unavoidable | |
| 141 | 1,240 | 241 | 620 | Petition to revive - unintentional | |
| 142 | 1,240 | 242 | 620 | Utility issue fee (or reissue) | |
| 143 | 440 | 243 | 220 | Design issue fee | |
| 144 | 600 | 244 | 300 | Plant issue fee | |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner | |
| 123 | 50 | 123 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 126 | 240 | 126 | 240 | Submission of Information Disclosure Statement | |
| 581 | 40 | 581 | 40 | Recording each patent assignment per property (times # of properties) | |
| 146 | 710 | 246 | 355 | Filing a submission after final rejection (37 CFR §1.129(a)) | |
| 149 | 710 | 249 | 355 | For each additional invention to be examined (37 CFR §1.129(b)) | |
| 179 | 710 | 279 | 355 | Request for Continued Examination (RCE) | |

Other fee (specify) _____

SUBTOTAL (3) \$ 0

*Reduced by Basic Filing Fee Paid

SUBMITTED BY

| Typed or Printed Name | Registration. No. | Telephone | Date |
|--------------------------|-------------------|----------------|--------------|
| GINA S. TOLLEFSON | 39,049 | (937) 255-2838 | Aug. 2, 2001 |
| Signature | | | |
| GERALD B. HOLLINS | 25,452 | (937) 255-2838 | Aug 2, 2001 |
| Signature | | | |

| | | |
|--|----------------------|---|
| REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i) | First Named Inventor | David M. Lin |
| | Title | SIGNAL FOLDING COHERENT ACQUISITION FOR WEAK GLOBAL POSITIONING SYSTEM (GPS) C/A CODED SIGNAL |
| | Atty Docket Number | AFD 444 |

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 1.22(b).

August 2, 2001
Date

Gina S. Tollefson
Signature

GINA S. TOLLEFSON
Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and be submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 US.C. 122(b)(2)(B)(iii)).**